

WHAT IS CLAIMED IS:

1. A method of presenting a user with a multimedia experience corresponding to an entertainment event or venue, the method comprising:

managing a sensor array having at least two sensors that are made configured to provide a stream of data units;

5 associating location information with sensors in the sensor array;
enabling the user to perceive a map related to an entertainment event or venue;
relating the perceived map to one or more sensors within the sensor array;
receiving a user request identifying a selected position within the map;
identifying one or more sensors within the sensor array corresponding to the

10 selection; and

presenting to the user a multimedia experience based on one or more streams of data units associated with the selected sensors.

2. The method of claim 1 wherein more than one sensor in the sensor array is
15 identified, and wherein presenting to the user the multimedia experience includes providing a multimedia experience based on streams of data received from each of the identified sensors.

3. The method of claim 1 wherein managing the sensor array and associating
location information includes operating multiple camera systems where the camera systems
20 include a video capture system and a location provider system.

4. The method of claim 3 wherein operating the multiple camera systems includes
determining location information using at least one of a Global Positioning system receiver, a
gyroscope, and a local beacon.

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5. The method of claim 3 wherein operating the multiple camera systems includes
operating two or more systems that provide video.

6. The method of claim 1 wherein managing the sensor array and associating location information includes operating multiple microphone systems, where the microphone systems include a sound capture system and a location provider system.

5 7. The method of claim 6 wherein operating the multiple microphone systems includes determining location information using at least one of a Global Positioning system receiver, a gyroscope, and a local beacon.

10 8. The method of claim 1 wherein managing the sensor array include managing more than one type of sensor.

 9. The method of claim 1 wherein associating location information includes determining a location for a sensor.

15 10. The method of claim 9 wherein determining the location for the sensor includes determining the location relative to an architectural structure for the sensor in an entertainment venue.

20 11. The method of claim 9 further comprising using the location for the sensor in the entertainment venue to determine metadata descriptive of the entertainment experience.

25 12. The method of claim 11 wherein enabling the user to perceive and relating the perceived map includes using metadata to describe the user experience associated with the sensor.

 13. The method of claim 1 wherein enabling the user to perceive and relating the perceived map includes generating a web page enabling the user to navigate among the sensors the sensor array and select the selected sensor in the sensor array.

30 14. The method of claim 1 further comprising determining a permission level for the user.

15. The method of claim 14 wherein determining the permission level includes determining a level of access to which the user has subscribed.

5 16. The method of claim 14 wherein determining the permission level includes identifying sensors that are accessible and inaccessible to the user, and regulating access by the user in response to the permission level.

10 17. The method of claim 1 wherein managing the sensor array, associating location information, enabling the user to perceive the map, relating the perceived map to the sensors within the sensor array, receiving the user request, identifying the sensors, and presenting to the user the multimedia experience includes determining whether a stream of data units is available from a better-matching sensor that better matches a user's perceived interest and notifying the user about the availability of the better matching sensor.

15 18. The method of claim 17 wherein notifying the user about the availability includes enabling the user to receive to the stream of data units from the better matching sensor.

20 19. The method of claim 17 wherein notifying the user about the availability includes enabling the user to upgrade a permission level so that the user may receive a premium feed.

20. The method of claim 14 further comprising determining that the permission level supports access before enabling access the selected stream of data units.

25 21. The method of claim 1 wherein presenting to the user the multimedia experience includes combining the stream of data units with other streams of data units from other sensors in the sensor array into a combined stream and enabling the client to access the combined stream.

30 22. The method of claim 21 wherein combining the stream of data units includes presenting a three dimensional presentation.

23. The method of claim 21 wherein combining the stream of data units includes enabling presentation of a simulated view from a location where no sensor is located.

5 24. The method of claim 1 wherein presenting to the user the multimedia experience includes performing intermediary processing on the selected stream of data units to generate an edited stream of data units and enabling the client to access the edited stream.

25. A system that presents a user with a multimedia experience corresponding to an entertainment event or venue, the system comprising:

10 a management code segment structured and arranged to manage a sensor array having at least two sensors that are made configured to provide a stream of data units;

an association code segment structured and arranged to associate location information with sensors in the sensor array;

15 a mapping code segment structured and arranged to enable the user to perceive a map related to an entertainment event or venue;

a relational code segment structured and arranged to relate the perceived map to one or more sensors within the sensor array;

a user interface code segment structured and arranged to receive a user request identifying a selected position within the map;

20 an identification code segment structured and arranged to identify one or more sensors within the sensor array corresponding to the selection; and

a presentation code segment structured and arranged to present to the user a multimedia experience based on one or more streams of data units associated with the selected sensors.

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26. The system of claim 25 wherein the mapping code segment and the relational code segment are structured and arranged to generate a web page enabling the user to navigate among the sensors the sensor array and select the selected sensor in the sensor array.

30 27. The system of claim 25 further comprising an access control code segment structured and arranged to determine a permission level for the user.

28. The system of claim 27 wherein the access control code segment is structured and arranged to determine a level of access to which the user has subscribed.

5 29. The system of claim 27 wherein the access control code segment is structured and arranged to identify sensors that are accessible and inaccessible to the user, and regulate access by the user in response to the permission level.

10 30. The system of claim 25 further comprising a notification code segment structured and arranged to determine whether a stream of data units is available from a better-matching sensor that better matches a user's perceived interest and notify the user about the availability of the better matching sensor.

15 31. The system of claim 30 wherein the notification code segment is structured and arranged to enable the user to receive to the stream of data units from the better matching sensor.

20 32. The system of claim 31 wherein the notification code segment is structured and arranged to enable the user to upgrade a permission level so that the user may receive a premium feed.

33. The system of claim 27 wherein the access control code segment structured and arranged to determine that the permission level supports access before enabling access the selected stream of data units.

25 34. The system of claim 25 wherein the presentation code segment is structured and arranged to combine the stream of data units with other streams of data units from other sensors in the sensor array into a combined stream and enable the client to access the combined stream.

30 35. The system of claim 34 wherein the presentation code segment is structured and arranged to present a three dimensional presentation.

36. The system of claim 34 wherein the presentation code segment is structured and arranged to enable presentation of a simulated view from a location where no sensor is located.

5 37. A system that presents a user with a multimedia experience corresponding to an entertainment event or venue, the system comprising:

 means for managing a sensor array having at least two sensors that are made configured to provide a stream of data units;

 means for associating location information with sensors in the sensor array;

10 means for enabling the user to perceive a map related to an entertainment event or venue;

 means for relating the perceived map to one or more sensors within the sensor array;

 means for receiving a user request identifying a selected position within the map;

15 means for identifying one or more sensors within the sensor array corresponding to the selection; and

 means for presenting to the user a multimedia experience based on one or more streams of data units associated with the selected sensors.

20 38. A computer program product that when executed generates a graphical user interface enabling a user to select a user feed, the user interface comprising:

 a venue region illustrating a venue accessible through sensors; and

 a sensor icon dynamically coupled to a mobile sensor, displayed within the venue region to indicate an actual location of the mobile sensor in the venue so that a user may interact with the sensor icon to receive the data stream captured by the mobile icon.

25 39. The computer program product of claim 38 further comprising a path icon enabling a user to configure a virtual path through a venue by transitioning between different sensors determined to be along the path.

30 40. The computer program product of claim 38 further comprising a virtual icon configured to allow a user to select the virtual icon to receive a simulated feed representing a

projected view from the location of the virtual icon in the venue where the simulated feed is used by combining feeds from locations other than the location of the virtual icon.